



AIR FORCE STUDIES BOARD

Michael Clarke
NATIONAL ACADEMY OF SCIENCES

10/09/2015
Final Report

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Air Force Research Laboratory
AF Office Of Scientific Research (AFOSR)/ RTB2
Arlington, Virginia 22203
Air Force Materiel Command

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14. ABSTRACT <p>During this performance period the NRC completed the following: Under this Board Grant we completed two board meetings held in Washington DC, one in May 2013 and the other in Nov 2013, to collect topics prioritize work plans. Of the studies prioritized by the Board, we completed the Assessment of Directed Energy Research and Development for US Air Force Applications workshop and report, the Assessment to Enhance Air Force and DoD Prototyping for the New Defense Strategy workshop & report, of 3 Defense Against High Speed Weapons workshop meetings until we were put on hold awaiting upgrade from secret to top secret. During this period, the Board Director also provided a new 5-year Board grant follow-on proposal and associated new 5-year Study Support grant task order contract as follow-on to the Block 00 study grant. We restarted the US Air Force Strategic Deterrence for the 21" Century Security Environment consensus study that was put on hold due to sequestration and the Effective and Efficient US Air Force Development Planning consensus study. During this time, Mr. Michael Turbyfill resigned as Deputy Director, AFSB and Dr. Alan Shaw was hired as his replacement. The follow-on Board, remainder of the Block 00, and new Study Support grants will be used to do the following: Complete the strategic deterrence consensus study and report, the remaining two defense against high speed weapons workshop meetings and report, the flight simulator workshop and report, the development planning consensus study and report, the regainingtech baseline workshop and report, the digital thread workshop and report, the best practices in basic research workshop and two strategic deterrence roundtables.</p>			
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FINAL

Progress Report

Air Force Studies Board (AFSB)

Grant Number: FA9550-9-1-0286

Project Title: Air Force Studies Board Core Support

Grant Amount:

Total: \$3,359,322

Funded to Date: \$3,359,322

Costs Incurred to Date: \$3,051,904.31

Funds Remaining: \$307,427

Estimate to Complete: \$0

Summary of Progress: During this performance period the NRC completed the following: Under this Board Grant we completed two board meetings held in Washington DC, one in May 2013 and the other in Nov 2013, to collect topics prioritize work plans. Of the studies prioritized by the Board, we completed the *Assessment of Directed Energy Research and Development for US Air Force Applications* workshop and report, the *Assessment to Enhance Air Force and DoD Prototyping for the New Defense Strategy* workshop & report, 1 of 3 *Defense Against High Speed Weapons* workshop meetings until we were put on hold awaiting upgrade from secret to top secret. During this period, the Board Director also provided a new 5-year Board grant follow-on proposal and associated new 5-year Study Support grant task order contract as follow-on to the Block 00 study grant. We restarted the US Air Force Strategic Deterrence for the 21st Century Security Environment consensus study that was put on hold due to sequestration and the *Effective and Efficient US Air Force Development Planning* consensus study. During this time, Mr. Michael Turbyfill resigned as Deputy Director, AFSB and Dr. Alan Shaw was hired as his replacement. The follow-on Board, remainder of the Block 00, and new Study Support grants will be used to do the following: Complete the strategic deterrence consensus study and report, the remaining two defense against high speed weapons workshop meetings and report, the flight simulator workshop and report, the development planning consensus study and report, the regaining tech baseline workshop and report, the digital thread workshop and report, the best practices in basic research workshop and two strategic deterrence roundtables.

Issues: The follow-on Board grant needs modification to operate at the secret level as before plus includes the associated DD254 and the new Study Support grant needs a separate DD254 to operate at the top secret level like the Block 00 grant. The fall board meeting in Washington DC with the Secretary and Chief cannot take place at the secret level without this issue being addressed, and only unclassified studies can be conducted under the new Study Support grant until its DD254 issue is addressed as well.